810 Invoice

Introduction:

This standard provides the format and establishes the data contents of an invoice transaction set. The invoice transaction set provides for customary and established business and industry practice relative to the billing for goods and services provided.

Notes:

1. Use this transaction set to transmit commercial invoices to a Federal Government activity responsible for initiating the payment.

2. Use a single occurrence of this transaction to invoice or provide adjustments for one or more deliveries or service performances, provided to the Federal Government in one or more shipments.

3. Use to transmit commercial invoice data only from one invoice preparing party to one invoice receiving party.

4. Not all segments, data elements, or codes are used by all agencies.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	12		
Not Used	060	PER	Administrative Communications Contact	O	3		
			LOOP ID - N1			200	
	070	N1	Name	O	1		
	080	N2	Additional Name Information	O	2		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	110	REF	Reference Numbers	O	12		
	120	PER	Administrative Communications Contact	O	3		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	140	DTM	Date/Time/Period	O	10		
	150	FOB	F.O.B. Related Instructions	O	1		
Not Used	160	PID	Product/Item Description	O	200		
Not Used	170	MEA	Measurements	O	40		

	Not Used	180	PWK	Paperwork	O	25		
	Not Used	190	PKG	Marking, Packaging, Loading	O	25		
	Not Used	200	L7	Tariff Reference	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
	010	IT1	Baseline Item Data (Invoice)	O	1		
Not Used	020	CUR	Currency	O	1		
Not Used	030	IT3	Additional Item Data	O	5		
	040	TXI	Tax Information	O	10		
Not Used	050	CTP	Pricing Information	O	25		
Not Used	059	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
Not Rec	060	PID	Product/Item Description	O	1		
Not Used	070	MEA	Measurements	O	10		
Not Used	080	PWK	Paperwork	O	25		
Not Used	090	PKG	Marking, Packaging, Loading	O	25		
Not Used	100	PO4	Item Physical Details	O	1		
	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
	120	REF	Reference Numbers	O	>1		
Not Used	130	PER	Administrative Communications Contact	O	5		
Not Used	140	SDQ	Destination Quantity	O	500		
	150	DTM	Date/Time/Period	O	10		
	160	CAD	Carrier Detail	O	>1		
Not Used	170	L7	Tariff Reference	O	>1		
			LOOP ID - ITA			10	
	180	ITA	Allowance, Charge or Service	O	1		
	190	TXI	Tax Information	O	10		
			LOOP ID - SLN			1000	
	200	SLN	Subline Item Detail	O	1		
Not Used	210	REF	Reference Numbers	O	>1		
Not Used	220	PID	Product/Item Description	O	1000		
Not Used	230	ITA	Allowance, Charge or Service	O	10		
			LOOP ID - N1			200	
	240	N1	Name	O	1		
	250	N2	Additional Name Information	O	2		
	260	N3	Address Information	O	2		
	270	N4	Geographic Location	O	1		
Not Used	280	REF	Reference Numbers	O	12		
Not Used	290	PER	Administrative Communications Contact	O	3		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments

Must Use	010	TDS	Total Monetary Value Summary	M	1		
	020	TXI	Tax Information	O	10		
	030	CAD	Carrier Detail	O	1		
			LOOP ID - ITA			10	
	040	ITA	Allowance, Charge or Service	O	1		
	050	TXI	Tax Information	O	10		
Not Used	060	ISS	Invoice Shipment Summary	O	5		
Must Use	070	CTT	Transaction Totals	M	1		n1
Must Use	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Segment: **ST** **Transaction Set Header**

Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	
Comments:	1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			810 X12.2 Invoice	
Must Use	ST02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number assigned by the originator for a transaction set.	
			Use to transmit a unique number assigned by the originator of the transaction set. This number may be system generated.	

	Segment:	**BIG** Beginning Segment for Invoice

Segment: **BIG** Beginning Segment for Invoice

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes:

Comments: **1**   BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BIG01	245	Invoice Date	M	DT 6/6
			Invoice Issue Date.		
Must Use	BIG02	76	Invoice Number	M	AN 1/22
			Identifying number assigned by issuer		
			Use to uniquely identify the invoice transaction to an issuer.		
	BIG03	323	Purchase Order Date	O	DT 6/6
			Date assigned by the purchaser to Purchase Order		
	BIG04	324	Purchase Order Number	O	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			Enter the purchase order number, contract number (including Federal Supply Schedules, GSA Schedules and all other basic contracts), BPA number, Grant, Lease or Agreement number. This is always the Procurement Instrument Identification Number (PIIN) for DOD or the equivalent expression for Civilian Agencies. This is never the number of a delivery order, call or release against a basic award instrument. That number is carried in BIG05. This number shall be transmitted without dashes.		
	BIG05	328	Release Number	O	AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
			Enter the number of a release, call or delivery order against a basic award instrument. This is always the Supplemental Procurement Instrument Identification Number (SPIIN) for DOD or the equivalent expression for Civilian Agencies. This number shall be transmitted without dashes.		
	BIG06	327	Change Order Sequence Number	O	AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set		

Use, as applicable, to identify a modification number to the instrument in BIG. If BIG05 is blank, it identifies a modification number to the PIIN in BIG04.

BIG07	**640**	**Transaction Type Code**	**O**	**ID 2/2**

Code specifying the type of transaction

CN   Credit Invoice

CO   Corrected

Use to indicate resubmission of a corrected invoice by vendor.

CR   Credit Memo

DI   Debit Invoice

Use to indicate an ordinary invoice.

Segment:	**CUR** Currency
Position:	040
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	**1** If CUR08 is present, then CUR07 is required.
	2 If CUR09 is present, then CUR07 is required.
	3 If CUR11 is present, then CUR10 is required.
	4 If CUR12 is present, then CUR10 is required.
	5 If CUR14 is present, then CUR13 is required.
	6 If CUR15 is present, then CUR13 is required.
	7 If CUR17 is present, then CUR16 is required.
	8 If CUR18 is present, then CUR16 is required.
	9 If CUR20 is present, then CUR19 is required.
	10 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	**1** Monetary values are assumed to be expressed in the currency of the country of the transaction originator unless the optional CUR segment is used to specify a different currency. The CUR segment also permits the transaction originator to indicate a specific exchange rate, foreign exchange location and date/time as the basis for a currency conversion. Example 1. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the heading area of a transaction, would indicate that all monetary values appearing in the transaction are expressed in Canadian Dollars (CAD). (In this example the exchange rate is at the discretion of the receiver). CUR*BY*CAD* N/L Example 2. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the detail area of a transaction, describes a currency conversion for that particular item from U.S. dollars to Canadian dollars. It also indicates that a specific exchange rate, at a specified foreign exchange location on a given date/time be used as the basis for the currency conversion. Notes below the diagram describe the meaning of the element values. CUR*BY*USD*1.20*SE*CAD*NY*007*840821*1400 N/L 1 2 3 4 1. Identifies the buyer's (BY) currency as U.S. dollars (USD). 2. The multiplier (1.20) is the exchange rate factor for the conversion. 3. Identifies the seller's (SE) currency as Canadian dollars (CAD). 4. Indicates the basis for the exchange rate as the New York Foreign Exchange (NY) and the effective date/time (007) as August 21, 1984 (840821) at 2:00 P.M. (1400). The value for this item is to be converted to Canadian dollars (CAD) at the exchange rate of 1.20, based on the New York Foreign Exchange (NY) at 2:00 P.M. (1400) on August 21, 1984. The actual unit price conversion for the item would be: The unit price value 7.50 (U.S. dollars) multiplied by the exchange rate (1.20) equals 9.00 Canadian dollars (7.50 X 1.20 = 9.00) CUR07 through CUR21 provide for five (5) dates/times relating to the currency conversion, i.e., effective date, expiration date, etc.
Notes:	*If the CUR segment is not used, the currency is assumed to be US dollars.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	CUR01	98	Entity Identifier Code	M	ID 2/2

Code identifying an organizational entity or a physical location.

Use any code. Listed code is preferred:

BY   Buying Party (Puchaser)

Refer to 003010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	CUR02	100	Currency Code	M	ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

Not Used	CUR03	280	Exchange Rate	O	R 4/6

Value to be used as a multiplier conversion factor to convert monetary value from one currency to another

Not Used	CUR04	98	Entity Identifier Code	O	ID 2/2

Code identifying an organizational entity or a physical location.

Not Used	CUR05	100	Currency Code	O	ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

Not Used	CUR06	669	Currency Market/Exchange Code	O	ID 3/3

Code identifying the market upon which the currency exchange rate is based

Not Used	CUR07	374	Date/Time Qualifier	C	ID 3/3

Code specifying type of date or time, or both date and time

Not Used	CUR08	373	Date	O	DT 6/6

Date (YYMMDD)

Not Used	CUR09	337	Time	O	TM 4/4

Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).

Not Used	CUR10	374	Date/Time Qualifier	C	ID 3/3

Code specifying type of date or time, or both date and time

Not Used	CUR11	373	Date	O	DT 6/6

Date (YYMMDD)

Not Used	CUR12	337	Time	O	TM 4/4

Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).

Not Used	CUR13	374	Date/Time Qualifier	C	ID 3/3

Code specifying type of date or time, or both date and time

Not Used	CUR14	373	Date	O	DT 6/6

Date (YYMMDD)

Not Used	CUR15	337	Time	O	TM 4/4

Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).

Not Used	CUR16	374	**Date/Time Qualifier**	**C**	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR17	373	**Date**	**O**	**DT 6/6**

Date (YYMMDD)

Not Used	CUR18	337	**Time**	**O**	**TM 4/4**

Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).

Not Used	CUR19	374	**Date/Time Qualifier**	**C**	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR20	373	**Date**	**O**	**DT 6/6**

Date (YYMMDD)

Not Used	CUR21	337	**Time**	**O**	**TM 4/4**

Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).

	Segment:	**REF** Reference Numbers
Position:	050	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying numbers.	
Syntax Notes:	**1** At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		

Notes: *This 1/REF/050 segment can be used to identify numbers that apply to either the cited party or all of the line items. When the reference number does not apply to a cited party, or varies by line item, use the 2/REF/120 segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Number Qualifier**	**M ID 2/2**

Code qualifying the Reference Number.

Use, as applicable, to identify additional reference numbers such as the customer reference number, etc., applicable to the cited party.

65	Total Order Cycle Number	

UTN - Universal Tracking Number is a unique identifier used to establish a linkage within a cycle of transaction sets for a single acquisition. Should be a unique identifier within federal agencies. A cycle is defined to included all related transaction sets (840, 843, 850, 855, 860, 865, 836, 864, 810, and 820 if possible).

BL	Government Bill of Lading
BM	Bill of Lading Number
PQ	Payee Identification

Use to indicate that Payment System Code/Routing Code is carried in REF02.

PX	Previous Invoice Number

Code PX maps to the blank space in the certification paragraph.

SI	Shipper's Identifying Number for Shipment (SID)

A unique number (to the shipper) assigned by the shipper to identify the shipment

Use code SI for Shipment Number.

VR	Vendor ID Number

Use code VR to carry the sellers's unique identification number.

		ZZ	Mutually Defined

Use code ZZ for the Indicator when applicable to the entire invoice. However, use code ZZ only when indicating a final shipment. When REF01 is code ZZ, insert the letter Z in REF02.

	REF02	**127**	**Reference Number**	**C**	**AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Not Used	**REF03**	**352**	**Description**	**C**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**N1** Name	
Position:	070	
Loop:	N1 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1 At least one of N102 or N103 is required.	
	2 If either N103 or N104 is present, then the other is required.	
Semantic Notes:		
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	

Notes:

1. Whenever possible, address information should be transmitted using code values contained in a combination of the N101 and N103/4 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a contractor can be identified by a DUNS number, it is not necessary to transmit the contractor's full address since the relationship between the DUNS number and the contractor's address can be established by accessing a data base in which the information is stored, having been put there at the time the contractor electronically registered as a federal government trading partner.

2. At least 2 iterations of this 1/N1/070 loop are required using codes PE and PO. For DFAS-CO, two iterations are required using codes PR and SE.

3. Use this 1/N1/070 loop to identify organizations or people that apply to all of the line items, or are not applicable at the line item level. When the addresses vary by line item, use the 2/N1/240 loop.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code**	**M ID 2/2**

Code identifying an organizational entity or a physical location.

BY   Buying Party (Purchaser)

Use to indicate the purchasing office or activity.

PE   Payee

Use to indicate the party submitting the invoice.

PO   Party to Receive Invoice for Goods or Services

Use to indicate the agency, organization, or activity that is to receive the electronic invoice.

PR   Payer

Use to indicate the party to pay the invoice.

RI   Remit To

Use to indicate a specific remit to address when

multiple remit-to addresses were provided as a part of the trading partner registration process. Do not use when only a single remit to address was provided as a part of the registration process or when vendor has not registered.

		SE	Selling Party		
		VN	Vendor		
N102	**93**	**Name**		**C**	**AN 1/35**

Free-form name

Use only when address of the selling party (N101 code SE) cannot be described using the party's ID code (N103 or N104).

| **N103** | **66** | **Identification Code Qualifier** | **C** | **ID 1/2** |

Code designating the system/method of code structure used for Identification Code (67)

While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.

1   Dun and Bradstreet (Credit Reporting) (DUNS)

1. Use in all transmissions to identify the DUNS number of the invoicing party (N101 is code PE).

2. Use in other iterations of the N1 loop with the appropriate N101 codes to identify Government activities or other contractor locations.

9   DUNS with 4-character suffix

Use to indicate the transacting parties where DUNS+4, D-U-N-S is appropriate.

10   Department of Defense Activity Address Code (DODAAC)

Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address Code and when N101 is PR.

33   Commercial and Government Entity (CAGE)

Use to indicate vendor's CAGE code.

91   Assigned by Seller or Seller's Agent

Use to indicate unique identification established by seller.

92   Assigned by Buyer or Buyer's Agent

Use to indicate unique identification established by buyer.

ZZ   Mutually Defined

Use when N101 is code BY.

Must Use   **N104**   **67**   **Identification Code**   **C   ID 2/17**

Code identifying a party.

Segment:	**N2** **Additional Name Information**				

Segment: **N2** Additional Name Information

Position: 080

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes:

Semantic Notes:

Comments:

Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use only when address cannot be identified by coded means in the N1 segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N201**	**93**	**Name**	**M**	**AN 1/35**
			Free-form name		
	N202	**93**	**Name**	**O**	**AN 1/35**
			Free-form name		

Segment: # N3 Address Information

Position:	090
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*
	2. Use only when address cannot be identified by coded means in the N1 segment.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N301	166	**Address Information**	M	AN 1/35
			Address information		
	N302	166	**Address Information**	O	AN 1/35
			Address information		

Segment:		# N4 Geographic Location		
Position:		100		
Loop:		N1 Optional		
Level:		Heading		
Usage:		Optional		
Max Use:		1		
Purpose:		To specify the geographic place of the named party		
Syntax Notes:		**1**	At least one of N401 or N405 is required.	
		2	If N401 is present, then N402 is required.	
		3	If either N405 or N406 is present, then the other is required.	
Semantic Notes:				
Comments:		**1**	A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
		2	N402 is required only if city name (N401) is in the USA or Canada.	
Notes:		*1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*		
		2. Use only when address cannot be identified by coded means in the N1 segment.		

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
N401	**19**	**City Name**	**C**	**AN 2/19**
		Free-form text for city name		
N402	**156**	**State or Province Code**	**C**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
N403	**116**	**Postal Code**	**O**	**ID 4/9**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	**26**	**Country Code**	**O**	**ID 2/2**
		Code identifying the country		
		Use codes from the latest release of ISO 3166, Codes for Representing Names of Countries.		
N405	**309**	**Location Qualifier**	**O**	**ID 1/2**
		Code identifying type of location		
		IP Postal		
		Use to indicate an Army Post Office "APO" or Fleet Post Office "FPO".		
N406	**310**	**Location Identifier**	**C**	**AN 1/25**
		Code which identifies a specific location		
		When N405 is code IP, cite the two letter APO or FPO identifier (AA for Miami, AE for New York, AP for San Francisco plus the zip code).		

Segment:	**REF** Reference Numbers	
Position:	110	
Loop:	N1 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying numbers.	
Syntax Notes:	1 At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		
Notes:	*This 1/REF/110 segment can be used to identify numbers that apply to either the cited party or all of the line items. When the reference number does not apply to a cited party, or varies by line items, use the 2/REF/120 segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**REF01**	**128**	**Reference Number Qualifier**	**M**	**ID 2/2**

Code qualifying the Reference Number.

Use, as applicable, to identify additional reference numbers such as the customer reference number, etc., applicable to the cited party.

65	Total Order Cycle Number	

UTN - Universal Tracking Number is a unique identifier used to establish a linkage within a cycle of transaction sets for a single acquisition. Should be a unique identifier within federal agencies. A cycle is defined to included all related transaction sets (840, 843, 850, 855, 860, 865, 836, 864, 810, and 820 if possible).

BL	Government Bill of Lading
BM	Bill of Lading Number
PQ	Payee Identification
PX	Previous Invoice Number
SE	Serial Number
SI	Shipper's Identifying Number for Shipment (SID)

A unique number (to the shipper) assigned by the shipper to identify the shipment

Use to identify the shipment number.

VR	Vendor ID Number
ZZ	Mutually Defined

	REF02	**127**	**Reference Number**	**C**	**AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Not Used	**REF03**	**352**	**Description**	**C**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**PER** Administrative Communications Contact
Position:	120
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If PER03 is present, then PER04 is required.
Semantic Notes:	
Comments:	
Notes:	*Segment may be required by agency regulations in sender's N1 loop.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366	**Contact Function Code**	**M ID 2/2**

Code identifying the major duty or responsibility of the person or group named

    IC   Information Contact

            Use to indicate the communication number of contact for information.

	PER02	93	**Name**	**O AN 1/35**

Free-form name

Cite last name first, followed by first name. If the whole name is longer than 35 characters, truncate or use initials for the first name.

	PER03	365	**Communication Number Qualifier**	**O ID 2/2**

Code identifying the type of communication number

    EM   Electronic Mail

            Should only be used if the address is less than 22 characters.

    FX   Facsimile

    TE   Telephone

	PER04	364	**Communication Number**	**C AN 7/21**

Complete communications number including country or area code when applicable

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale			

Segment: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 130

Loop:

Level: Heading

Usage: Optional

Max Use: 5

Purpose: To specify terms of sale

Syntax Notes:
1. If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
2. If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
3. If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:

Comments:
1. If the code in ITD01 is 04, then ITD09 is required and either ITD11 or ITD12 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required.

Notes:
1. Use this 1/ITD/130 segment when the discount terms apply to all of the line items. If the discount terms vary by line item, use the 2/ITD/110 segment.

2. Discount terms must be the same as identified in the applicable award instrument unless the contractor is offering better discount terms.

3. Payment method was provided at time or registration. Changes to that data must be made by submitting a registration data change using the 838 transaction set.

4. Use only when a discount or Fast Pay is applicable. Do not transmit this segment when a discount or Fast Pay is not applicable.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
ITD01	**336**	**Terms Type Code**	**O**	**ID 2/2**

Code identifying type of payment terms

Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.

08	Basic Discount Offered	

Use for progress payment rate.

09	Proximo	

Use only when specified in the 840 and requesting "Fast Pay".

14	Previously agreed upon	

Use to indicate the liquidation rate.

16	Prompt Payment Act	

Use when invoice is subject to the fast pay provision of the Prompt Payment Act.

Not Used	**ITD02**	**333**	**Terms Basis Date Code**	**O** **ID 1/2**

Code identifying the beginning of the terms period

| | **ITD03** | **338** | **Terms Discount Percent** | **O** | **R 1/6** |

Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

The amount shown is a percent, e.g., two and a half percent should be shown as 2.5 (two point five). Do no enter the percent as .025.

| **Not Used** | **ITD04** | **370** | **Terms Discount Due Date** | **C** | **DT 6/6** |

Date payment is due if discount is to be earned

| | **ITD05** | **351** | **Terms Discount Days Due** | **C** | **N0 1/3** |

Number of days in the terms discount period by which payment is due if terms discount is earned

| **Not Used** | **ITD06** | **446** | **Terms Net Due Date** | **O** | **DT 6/6** |

Date when total invoice amount becomes due

| | **ITD07** | **386** | **Terms Net Days** | **O** | **N0 1/3** |

Number of days until total invoice amount is due (discount not applicable)

Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.

| **Not Used** | **ITD08** | **362** | **Terms Discount Amount** | **O** | **N2 1/10** |

Total amount of terms discount

| **Not Used** | **ITD09** | **388** | **Terms Deferred Due Date** | **O** | **DT 6/6** |

Date deferred payment or percent of invoice payable is due

| **Not Used** | **ITD10** | **389** | **Deferred Amount Due** | **C** | **N2 1/10** |

Deferred amount due for payment

| **Not Used** | **ITD11** | **342** | **Percent of Invoice Payable** | **C** | **R 1/5** |

Amount of invoice payable expressed in percent

| **Not Used** | **ITD12** | **352** | **Description** | **O** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

| **Not Used** | **ITD13** | **765** | **Day of Month** | **C** | **N0 1/2** |

The numeric value of the day of the month between 1 and the maximum day of the month being referenced

| | **ITD14** | **107** | **Payment Method Code** | **O** | **ID 1/1** |

Code identifying type of payment procedures

E   Electronic Payment System

Use to indicate Electronic Funds Transfer is required. This code is equivalent to using code DF in LM01, code 6 in LQ01 and code T in LQ02 of the 3050 version of the 850 transaction set.

Segment:	**DTM** Date/Time/Period			

Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 or DTM03 is required.
Semantic Notes:
Comments:
Notes:

1. Use this 1/DTM/140 segment to specify dates if they apply to all of the line items in the invoice. When the dates vary by line item, use the 2/DTM/150 segment.

2. Use two iterations of the segment when a range of dates (expressed as period start - period end, is required).

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM01	374	**Date/Time Qualifier**	**M**	**ID 3/3**

Code specifying type of date or time, or both date and time

001	Cancel After
011	Shipped
041	Status (Prior and Including)
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect

	Ref. Des.	Data Element	Name		Attributes
	DTM02	373	**Date**	**C**	**DT 6/6**

Date (YYMMDD)

Actual Ship Date when date applies to entire invoice.

	Ref. Des.	Data Element	Name		Attributes
Not Used	DTM03	337	**Time**	**C**	**TM 4/4**

Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).

	Ref. Des.	Data Element	Name		Attributes
Not Used	DTM04	623	**Time Code**	**O**	**ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Segment:	**FOB** F.O.B. Related Instructions		
Position:	150		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify transportation instructions relating to shipment		
Syntax Notes:	1	If FOB03 is present, then FOB02 is required.	
	2	If FOB04 is present, then FOB05 is required.	
	3	If FOB07 is present, then FOB06 is required.	
	4	If FOB08 is present, then FOB09 is required.	
Semantic Notes:			
Comments:	1	FOB01 indicates which party will pay the carrier.	
	2	FOB02 is the code specifying transportation responsibility location.	
	3	FOB06 is the code specifying title passage location.	
	4	FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.	

Notes: *Use this segment when the FOB point at the inspection/acceptance location applies to all of the line items. This segment is not necessary when the invoice is for a service.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	FOB01	146	**Shipment Method of Payment**	M ID 2/2
			Code identifying payment terms for transportation charges	
			DF Defined by Buyer and Seller	
	FOB02	309	**Location Qualifier**	C ID 1/2
			Code identifying type of location	
			DE Destination (Shipping)	
			FV Free Alongside Vessel (Free On Board [F.O.B.] Point)	
			OR Origin (Shipping Point)	
			ZZ Mutually Defined	
			Use to identify the FOB point as described in FOB03.	
	FOB03	352	**Description**	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			1. FOB03 is only used when FOB02 is code ZZ.	
			2. Contains descriptions such as: Origin, Destination, FAS Vessel, Inside Delivery, or Tailgate Delivery.	

| **Not Used** | **FOB04** | **334** | **Transportation Terms Qualifier Code** | **O** | **ID 2/2** |

Code identifying the source of the transportation terms

| **Not Used** | **FOB05** | **335** | **Transportation Terms Code** | **C** | **ID 3/3** |

Code identifying the trade terms which apply to the shipment transportation responsibility

| **Not Used** | **FOB06** | **309** | **Location Qualifier** | **C** | **ID 1/2** |

Code identifying type of location

| **Not Used** | **FOB07** | **352** | **Description** | **O** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

| **Not Used** | **FOB08** | **54** | **Risk of Loss Qualifier** | **O** | **ID 2/2** |

Code specifying where responsibility for risk of loss passes

| **Not Used** | **FOB09** | **352** | **Description** | **C** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

Segment:	**IT1** Baseline Item Data (Invoice)
Position:	010
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax Notes:	**1**	If IT106 is present, then IT107 is required.
	2	If IT108 is present, then IT109 is required.
	3	If IT110 is present, then IT111 is required.
	4	If IT112 is present, then IT113 is required.
	5	If IT114 is present, then IT115 is required.
	6	If IT116 is present, then IT117 is required.
	7	If IT118 is present, then IT119 is required.
	8	If IT120 is present, then IT121 is required.
	9	If IT122 is present, then IT123 is required.
	10	If IT124 is present, then IT125 is required.

Semantic Notes:

Comments:	**1**	Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
	2	IT101 is the purchase order line item identification.
	3	IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes:

1. Use multiple iterations of this 2/IT1/010 loop to provide invoice data for a specific line item. Allowances or charges identifiable to a line item will be included in that line's 2/ITA/180 loop. Invoice level of allowances or charges, that is, allowances or charges not identifiable to a specific item or line of billing, will be included in the 3/ITA/040 loop.

2. Only two iterations of 235/234 pairs to describe the item being invoiced is allowed.

3. If billing for goods or services, the IT1 segment is required.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	IT101	**350**	**Assigned Identification**	**O**	**AN 1/6**
			Alphanumeric characters assigned for differentiation within a transaction set		
			Use to identify the CLIN and SUBCLIN or other number identifying the line item.		
Must Use	**IT102**	**358**	**Quantity Invoiced**	**M**	**R 1/10**

Number of units invoiced (supplier units)

When billing for metered services, the quantity invoiced is the number of units of meter usage. (e.g. 100 kilowatts).

| Must Use | IT103 | 355 | **Unit or Basis for Measurement Code** | **M** | **ID 2/2** |

Code identifying the basic unit of measurement.

1. Use to identify the unit of issue for the quantity listed in IT102.

2. Use any appropriate code, but it must be the same unit of measure as cited in the applicable award instrument.

Refer to 003010 Data Element Dictionary for acceptable code values.

| Must Use | IT104 | 212 | **Unit Price** | **M** | **R 1/14** |

Price per unit of product, service, commodity, etc.

Cite the contract or order unit price. In those cases where the line item was purchased without charge, cite the number "0".

| Not Used | IT105 | 639 | **Basis of Unit Price Code** | **O** | **ID 2/2** |

Code identifying the type of unit price for an item

| | IT106 | 235 | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. Use only codes that were contained in the contract or order. For example, if the item being invoiced was ordered by its National Stock Number (code FS), use code FS followed by the National Stock Number of the item in IT107. Descriptions should be kept to a minimum essential to identify the item for payment purposes. While any code may be used, listed codes are preferred.

2. IT106 through IT109 are used in pairs. For Example, IT106 will contain a qualifier code and IT107 will contain information related to the qualifying code. So, if IT106 is code FS then IT107 will carry the National Stock Number.

	FS	National Stock Number
	FT	Federal Supply Classification
	PL	Purchaser's Order Line Number

| | IT107 | 234 | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| | IT108 | 235 | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

| | IT109 | 234 | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| Not Used | IT110 | 235 | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in

Product/Service ID (234)

Not Used	IT111	234	**Product/Service ID**	C	AN 1/30
			Identifying number for a product or service		
Not Used	IT112	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT113	234	**Product/Service ID**	C	AN 1/30
			Identifying number for a product or service		
Not Used	IT114	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT115	234	**Product/Service ID**	C	AN 1/30
			Identifying number for a product or service		
Not Used	IT116	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT117	234	**Product/Service ID**	C	AN 1/30
			Identifying number for a product or service		
Not Used	IT118	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT119	234	**Product/Service ID**	C	AN 1/30
			Identifying number for a product or service		
Not Used	IT120	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT121	234	**Product/Service ID**	C	AN 1/30
			Identifying number for a product or service		
Not Used	IT122	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT123	234	**Product/Service ID**	C	AN 1/30
			Identifying number for a product or service		
Not Used	IT124	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT125	234	**Product/Service ID**	C	AN 1/30
			Identifying number for a product or service		

Segment:	**TXI** Tax Information				
Position:	040				
Loop:	IT1	Optional			
Level:	Detail				
Usage:	Optional				
Max Use:	10				
Purpose:	To specify tax information				
Syntax Notes:	**1**	If either TXI04 or TXI05 is present, then the other is required.			
Semantic Notes:					
Comments:	**1**	TXI02 is the monetary amount of the tax.			
	2	TXI03 is the tax percent expressed as a decimal.			
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.			
Notes:	*Use this 2/TX1/040 segment only if taxes apply to a line item.*				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**TXI01**	**963**	**Tax Type Code**	**M**	**ID 2/2**

Code specifying the type of tax

Use any code. Cited codes are preferred.

CS   City Sales Tax
FT   Federal Excise Tax
LS   State and Local Sales Tax
ST   State Sales Tax

Refer to 003010 Data Element Dictionary for acceptable code values.

	TXI02	**782**	**Monetary Amount**	**C**	**R 1/15**

Monetary amount

	TXI03	**954**	**Percent**	**C**	**R 1/10**

Percentage expressed as a decimal

Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).

Not Used	**TXI04**	**955**	**Tax Jurisdiction Code Qualifier**	**C**	**ID 2/2**

Code identifying the source of the data used in tax jurisdiction code

Not Used	**TXI05**	**956**	**Tax Jurisdiction Code**	**C**	**AN 1/10**

Code identifying the taxing jurisdiction

Segment:	**PID** Product/Item Description
Position:	060
Loop:	PID Optional (Not Recommended)
Level:	Detail
Usage:	Optional (Not Recommended)
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
Semantic Notes:	
Comments:	1 When PID01 is "F", PID04 is not used.
	2 Use PID03 to indicate the organization that publishes the code list being referred to.
	3 PID04 should be used for industry-specific product description codes.
	4 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
Notes:	*The use of this segment is discouraged. Use only for a clear text description when the product/service identification in 235/234 pairs in the IT1 segment is insufficient to describe the item or service being invoiced. Do not use when codes in IT106/07 can be used to describe the item or service being invoiced.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			F Free-form		
Not Used	PID02	750	**Product/Process Characteristic Code**	O	ID 2/3
			Code specifying the product or process characteristic being described.		
Not Used	PID03	559	**Agency Qualifier Code**	C	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	PID04	751	**Product Description Code**	C	ID 1/12
			A code from an industry code list which provides specific data about a product characteristic		
	PID05	352	**Description**	C	AN 1/80
			A free-form description to clarify the related data elements and their content		
			Use to identify the item description or job description.		
Not Used	PID06	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale			

Position:	110
Loop:	IT1　　Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify terms of sale
Syntax Notes:	1　If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2　If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3　If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	
Comments:	1　If the code in ITD01 is 04, then ITD09 is required and either ITD11 or ITD12 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required.
Notes:	*1. Use this 2/ITD/110 segment when the discount terms vary by line item. If the discount applies to all of the line items, use the 1/ITD/130 segment.*
	2. Discount terms must be the same as identified in the applicable award instrument unless the contractor is offering the better discount terms.
	3. Use only when a discount is applicable. Do not transmit this segment when a discount is not applicable.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
ITD01	**336**	**Terms Type Code**	**O**	**ID 2/2**
		Code identifying type of payment terms		
		Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.		
		09　　　　Proximo		
		Use to indicate "Fast Pay".		
		14　　　　Previously agreed upon		
		16　　　　Prompt Payment Act		
Not Used	**ITD02**	**333**	**Terms Basis Date Code**	**O**　**ID 1/2**
		Code identifying the beginning of the terms period		
	ITD03	**338**	**Terms Discount Percent**	**O**　**R 1/6**
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
		The amount shown is a percent, e.g. two and a half percent should be shown as 2.5 (two point five). Do not enter the percent as .025.		
Not Used	**ITD04**	**370**	**Terms Discount Due Date**	**C**　**DT 6/6**
		Date payment is due if discount is to be earned		
	ITD05	**351**	**Terms Discount Days Due**	**C**　**N0 1/3**
		Number of days in the terms discount period by which payment is due if		

terms discount is earned

Not Used	ITD06	446	**Terms Net Due Date**	**O**	**DT 6/6**

Date when total invoice amount becomes due

	ITD07	386	**Terms Net Days**	**O**	**N0 1/3**

Number of days until total invoice amount is due (discount not applicable)

Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.

Not Used	ITD08	362	**Terms Discount Amount**	**O**	**N2 1/10**

Total amount of terms discount

Not Used	ITD09	388	**Terms Deferred Due Date**	**O**	**DT 6/6**

Date deferred payment or percent of invoice payable is due

Not Used	ITD10	389	**Deferred Amount Due**	**C**	**N2 1/10**

Deferred amount due for payment

Not Used	ITD11	342	**Percent of Invoice Payable**	**C**	**R 1/5**

Amount of invoice payable expressed in percent

Not Used	ITD12	352	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Not Used	ITD13	765	**Day of Month**	**C**	**N0 1/2**

The numeric value of the day of the month between 1 and the maximum day of the month being referenced

	ITD14	107	**Payment Method Code**	**O**	**ID 1/1**

Code identifying type of payment procedures

E   Electronic Payment System

Use to indicate Electronic Funds Transfer is required. This code is equivalent to using code DF in LM01, code 6 in LQ01 and code T in LQ02 of the 3050 version of this transaction set.

Segment:	**REF** Reference Numbers	
Position:	120	
Loop:	IT1 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify identifying numbers.	
Syntax Notes:	1 At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		
Notes:	*Use this 2/REF/120 segment to identify reference numbers that vary by line item. When the reference numbers apply to all the line items in the invoice, use the 1/REF/50 or 1/REF/110 segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2

Code qualifying the Reference Number.

65	Total Order Cycle Number	

UTN - Universal Tracking Number is a unique identifier used to establish a linkage within a cycle of transaction sets for a single acquisition. Should be a unique identifier within federal agencies. A cycle is defined to included all related transaction sets (840, 843, 850, 855, 860, 865, 836, 864, 810, and 820 if possible).

BL	Government Bill of Lading	
BM	Bill of Lading Number	
PQ	Payee Identification	
PX	Previous Invoice Number	
SE	Serial Number	
SI	Shipper's Identifying Number for Shipment (SID)	

A unique number (to the shipper) assigned by the shipper to identify the shipment

VR	Vendor ID Number	
ZZ	Mutually Defined	

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	Reference Number	C AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

	Ref. Des.	Data Element	Name	Attributes
Not Used	REF03	352	Description	C AN 1/80

A free-form description to clarify the related data elements and their content

Segment:	# DTM Date/Time/Period
Position:	150
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 or DTM03 is required.
Semantic Notes:	
Comments:	
Notes:	*1. Use two iterations of the segment when a range of dates (expressed as period start - period end) is required.*
	2. Use this 2/DTM/150 segment to specify the dates of the line item data for the invoice. When the dates for all items are the same, use the 1/DTM/140 segment.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID 3/3

Code specifying type of date or time, or both date and time

011	Shipped	
041	Status (Prior and Including)	
150	Service Period Start	
151	Service Period End	
152	Effective Date of Change	

            Date on which the change went into effect

	Ref. Des.	Data Element	Name	Attributes	
	DTM02	373	**Date**	C	DT 6/6

Date (YYMMDD)

Not Used	DTM03	337	**Time**	C	TM 4/4

Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).

Not Used	DTM04	623	**Time Code**	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Segment:		**CAD** Carrier Detail	
Position:	160		
Loop:	IT1	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	>1		
Purpose:	To specify transportation details for the transaction		
Syntax Notes:	**1**	At least one of CAD05 or CAD04 is required.	
	2	If CAD07 is present, then CAD08 is required.	
Semantic Notes:			
Comments:			

Notes:

1. Use only when a different type of transportation method is used than identified in the purchase order.

2. Use this 2/CAD/160 segment to identify the transportation data that vary by line item. When the transportation information applies to all line items in the invoice, use the 3/CAD/030 segment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
	CAD01	**91**	**Transportation Method/Type Code**	**O**	**ID 1/2**

Code specifying the method or type of transportation for the shipment

1. Use to indicate the transportation method/type code for the line items.

2. An application program conversion table may be required to convert agency codes to codes used by ASC X12.

Refer to 003010 Data Element Dictionary for acceptable code values.

Not Used	**CAD02**	**206**	**Equipment Initial**	**O**	**AN 1/4**

Prefix or alphabetic part of an equipment unit's identifying number

Not Used	**CAD03**	**207**	**Equipment Number**	**O**	**AN 1/10**

Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Not Used	**CAD04**	**140**	**Standard Carrier Alpha Code**	**C**	**ID 2/4**

Standard Carrier Alpha Code

	CAD05	**387**	**Routing**	**C**	**AN 1/35**

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

Always cite the number 1. This data element is used to satisfy an X12 syntax requirement. The data, (i.e., the number 1), shall not be processed by the receiving application program.

Not Used	**CAD06**	**368**	**Shipment/Order Status Code**	**O**	**ID 2/2**

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a

line item or transaction

| Not Used | CAD07 | 128 | **Reference Number Qualifier** | O | ID 2/2 |

Code qualifying the Reference Number.

| Not Used | CAD08 | 127 | **Reference Number** | C | AN 1/30 |

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Segment:	**ITA** Allowance, Charge or Service			
Position:	180			
Loop:	ITA	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To specify allowances, charges, or services			

Segment: **ITA** Allowance, Charge or Service

Position:	180
Loop:	ITA Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify allowances, charges, or services
Syntax Notes:	1 If ITA02 is present, then at least one of ITA03 or ITA13 is required.
	2 If ITA08 is present, then ITA09 is required.
	3 If ITA10 is present, then ITA11 is required.
Semantic Notes:	
Comments:	1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
	2 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
	3 ITA12 is the quantity of free goods.
Notes:	*Use this 2/ITA/180 segment to identify charges that apply to a line item. If the charges apply to all of the line items, use the 3/ITA/040 segment.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	ITA01	248	**Allowance or Charge Indicator**	M	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			A Allowance		
			C Charge		
			N No Allowance or Charge		
Not Used	ITA02	559	**Agency Qualifier Code**	O	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	ITA03	560	**Special Services Code**	C	ID 2/10
			Code identifying the special service		
Must Use	ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID 2/2
			Code indicating method of handling for an allowance or charge		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	ITA05	341	**Allowance or Charge Number**	O	AN 1/16
			The number assigned by a vendor referencing an allowance, promotion, deal or charge		
Not Used	ITA06	359	**Allowance or Charge Rate**	O	R 1/9
			Allowance or Charge Rate per Unit		
	ITA07	360	**Allowance or Charge Total Amount**	O	N2 1/9
			Total dollar amount for the allowance or charge		
			Total dollar amount for allowance or charge.		
Not Used	ITA08	378	**Allowance/ Charge Percent Qualifier**	O	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		

Not Used	ITA09	332	**Allowance or Charge Percent**	C	R 1/6

Allowance or charge expressed as a percent.

Not Used	ITA10	339	**Allowance or Charge Quantity**	O	R 1/10

Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity

Not Used	ITA11	355	**Unit or Basis for Measurement Code**	C	ID 2/2

Code identifying the basic unit of measurement.

Not Used	ITA12	380	**Quantity**	O	R 1/10

Numeric value of quantity

Not Used	ITA13	352	**Description**	C	AN 1/80

A free-form description to clarify the related data elements and their content

	ITA14	150	**Special Charge or Allowance Code**	O	ID 3/3

Code identifying type of special charge or allowance

Refer to 003010 Data Element Dictionary for acceptable code values.

Segment:	**TXI** Tax Information
Position:	190
Loop:	ITA Optional
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify tax information
Syntax Notes:	1 If either TXI04 or TXI05 is present, then the other is required.
Semantic Notes:	
Comments:	1 TXI02 is the monetary amount of the tax.
	2 TXI03 is the tax percent expressed as a decimal.
	3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:	*Use this 2/TXI/190 segment only if taxes apply to the cited charges amounts.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	TXI01	963	**Tax Type Code**	M ID 2/2

Code specifying the type of tax

Use any code. Cited codes are preferred:

CS   City Sales Tax
FT   Federal Excise Tax
LS   State and Local Sales Tax
ST   State Sales Tax

Refer to 003010 Data Element Dictionary for acceptable code values.

	TXI02	782	**Monetary Amount**	C R 1/15

Monetary amount

	TXI03	954	**Percent**	C R 1/10

Percentage expressed as a decimal

Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).

Not Used	TXI04	955	**Tax Jurisdiction Code Qualifier**	C ID 2/2

Code identifying the source of the data used in tax jurisdiction code

Not Used	TXI05	956	**Tax Jurisdiction Code**	C AN 1/10

Code identifying the taxing jurisdiction

Segment:	# SLN Subline Item Detail
Position:	200
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data

Syntax Notes:	1	If SLN06 is present, then SLN08 is required.
	2	If SLN07 is present, then SLN06 is required.
	3	If SLN09 is present, then SLN10 is required.
	4	If SLN11 is present, then SLN12 is required.
	5	If SLN13 is present, then SLN14 is required.
	6	If SLN15 is present, then SLN16 is required.
	7	If SLN17 is present, then SLN18 is required.
	8	If SLN19 is present, then SLN20 is required.
	9	If SLN21 is present, then SLN22 is required.
	10	If SLN23 is present, then SLN24 is required.
	11	If SLN25 is present, then SLN26 is required.
	12	If SLN27 is present, then SLN28 is required.

Semantic Notes:

Comments:	1	See the Data Dictionary for a complete list of ID's.
	2	SLN01 is the identifying number for the subline item. It is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	3	SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	4	SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	SLN01	350	**Assigned Identification**	M	AN 1/6
			Alphanumeric characters assigned for differentiation within a transaction set		
Not Used	SLN02	350	**Assigned Identification**	O	AN 1/6
			Alphanumeric characters assigned for differentiation within a transaction set		
Must Use	SLN03	661	**Configuration Code**	M	ID 1/1
			Code indicating the relationship of the subline item to the baseline item.		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Must Use	SLN04	380	**Quantity**	M	R 1/10
			Numeric value of quantity		

Must Use	SLN05	355	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**

Code identifying the basic unit of measurement.

Refer to 003010 Data Element Dictionary for acceptable code values.

	SLN06	212	**Unit Price**	**C**	**R 1/14**

Price per unit of product, service, commodity, etc.

	SLN07	639	**Basis of Unit Price Code**	**O**	**ID 2/2**

Code identifying the type of unit price for an item

Refer to 003010 Data Element Dictionary for acceptable code values.

	SLN08	662	**Subline Price Change Code ID**	**C**	**ID 1/1**

Code indicating the relationship of the subline item unit price to the baseline item unit price.

Refer to 003010 Data Element Dictionary for acceptable code values.

Not Used	SLN09	235	**Product/Service ID Qualifier**	**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN10	234	**Product/Service ID**	**C**	**AN 1/30**

Identifying number for a product or service

Not Used	SLN11	235	**Product/Service ID Qualifier**	**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN12	234	**Product/Service ID**	**C**	**AN 1/30**

Identifying number for a product or service

Not Used	SLN13	235	**Product/Service ID Qualifier**	**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN14	234	**Product/Service ID**	**C**	**AN 1/30**

Identifying number for a product or service

Not Used	SLN15	235	**Product/Service ID Qualifier**	**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN16	234	**Product/Service ID**	**C**	**AN 1/30**

Identifying number for a product or service

Not Used	SLN17	235	**Product/Service ID Qualifier**	**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN18	234	**Product/Service ID**	**C**	**AN 1/30**

Identifying number for a product or service

Not Used	SLN19	235	**Product/Service ID Qualifier**	**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN20	234	**Product/Service ID**	**C**	**AN 1/30**

Identifying number for a product or service

Not Used	SLN21	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN22	234	**Product/Service ID**	C	AN 1/30

Identifying number for a product or service

Not Used	SLN23	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN24	234	**Product/Service ID**	C	AN 1/30

Identifying number for a product or service

Not Used	SLN25	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN26	234	**Product/Service ID**	C	AN 1/30

Identifying number for a product or service

Not Used	SLN27	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN28	234	**Product/Service ID**	C	AN 1/30

Identifying number for a product or service

Segment:	**N1** Name		
Position:	240		
Loop:	N1	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1	At least one of N102 or N103 is required.	
	2	If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	

Notes: *1. Whenever possible, address information should be transmitted using code values contained in a combination of the N101 and N103/04 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a contractor can be identified by a DUNS number, it is not necessary to transmit the contractor's full address since the relationship between the DUNS number and the contractor's address can be established by accessing a data base in which the information is stored, having been put there at the time the contractor electronically registered as a federal government trading partner.*

2. Use this 2/N1/240 loop to identify information pertaining to the line item. If the information applies to all of the line items, use the 1/N1/070 loop.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	M ID 2/2

Code identifying an organizational entity or a physical location.

BY	Buying Party (Purchaser)
	Use to indicate the purchasing office or activity.
PE	Payee
	Use to indicate the party submitting the invoice.
PO	Party to Receive Invoice for Goods or Services
	Use to indicate the agency, organization, or activity that is to receive the electronic invoice.
PR	Payer
RI	Remit To
	Use to indicate a specific remit to address when multiple remit-to addresses were provided as a part of the trading partner registration process. Do not use when only a single remit to address was provided as a part of the registration process or when vendor has not registered.

		SE	Selling Party		
		VN	Vendor		

N102   **93**   **Name**   **C**   **AN 1/35**

Free-form name

Use only when address of the selling party (N101 code SE), cannot be described using that party's ID code (N103 and N104).

N103   **66**   **Identification Code Qualifier**   **C**   **ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.

        1   Dun and Bradstreet (Credit Reporting) (DUNS)

1. Use in all transmissions to identify the DUNS number of the invoicing party (N101 is code PE).

2. Use in other iterations of the N1 loop with the appropriate N101 codes to identify Government activities or other contractor locations.

        9   DUNS with 4-character suffix

Use to indicate the transacting parties where DUNS+4, D-U-N-S is appropriate.

        10   Department of Defense Activity Address Code (DODAAC)

Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address Code and when N101 is PR.

        33   Commercial and Government Entity (CAGE)

Use to indicate vendor's CAGE code.

        91   Assigned by Seller or Seller's Agent

Use to indicate unique identification established by seller.

        92   Assigned by Buyer or Buyer's Agent

Use to indicate unique identification established by buyer.

        ZZ   Mutually Defined

Use when N101 is code BY.

N104   **67**   **Identification Code**   **C**   **ID 2/17**

Code identifying a party.

Segment:	**N2** Additional Name Information			

Segment: **N2** Additional Name Information

Position:	250
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*
	2. Use only when address cannot be identified by coded means in the N1 segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N201	93	Name	M	AN 1/35
			Free-form name		
	N202	93	Name	O	AN 1/35
			Free-form name		

Segment: **N3** **Address Information**

Position: 260
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use only when address cannot be identified by coded means in the N1 segment.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N301	166	**Address Information**	M	AN 1/35
			Address information		
	N302	166	**Address Information**	O	AN 1/35
			Address information		

Segment:	**N4** Geographic Location
Position:	270
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party

Syntax Notes:	**1**	At least one of N401 or N405 is required.
	2	If N401 is present, then N402 is required.
	3	If either N405 or N406 is present, then the other is required.

Semantic Notes:

Comments:	**1**	A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2	N402 is required only if city name (N401) is in the USA or Canada.

Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use only when address cannot be identified by coded means in the N1 segment.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
N401	**19**	**City Name**	**C**	**AN 2/19**
		Free-form text for city name		
N402	**156**	**State or Province Code**	**C**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
N403	**116**	**Postal Code**	**O**	**ID 4/9**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	**26**	**Country Code**	**O**	**ID 2/2**
		Code identifying the country		
		Use codes from the latest release of ISO 3166, Codes for Representing Names of Countries.		
N405	**309**	**Location Qualifier**	**O**	**ID 1/2**
		Code identifying type of location		
		IP Postal		
		Use to indicate an Army Post Office "APO" or Fleet Post Office "FPO".		
N406	**310**	**Location Identifier**	**C**	**AN 1/25**
		Code which identifies a specific location		
		When N405 is code IP, cite the two letter APO or FPO identifier (AA for Miami, AE for New York, AP for San Francisco plus the zip code).		

Segment:		**TDS** Total Monetary Value Summary		

Segment: **TDS** Total Monetary Value Summary

Position: 010

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To specify the total invoice discounts and amounts

Syntax Notes:

Semantic Notes:

Comments: **1**   TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Notes: *There is no need to transmit either the currency symbol (e.g., the dollar sign $), commas separating thousands, or the decimal point because the amount data elements are N2 types which means that there are two decimal places implied in every transmitted number. When using, be sure to follow all whole numbers with two zeros to account for the implied two decimal places.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	TDS01	361	**Total Invoice Amount**	M	**N2 1/10**
			Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable)		
Not Used	TDS02	390	**Amount Subject to Terms Discount**	C	**N2 1/10**
			Amount upon which the terms discount amount is calculated		
Not Used	TDS03	391	**Discounted Amount Due**	O	**N2 1/10**
			Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount)		
Not Used	TDS04	362	**Terms Discount Amount**	O	**N2 1/10**
			Total amount of terms discount		

			Segment:	**TXI** Tax Information

Segment: **TXI** Tax Information

Position: 020

Loop:

Level: Summary

Usage: Optional

Max Use: 10

Purpose: To specify tax information

Syntax Notes: **1**   If either TXI04 or TXI05 is present, then the other is required.

Semantic Notes:

Comments: **1**   TXI02 is the monetary amount of the tax.

           2   TXI03 is the tax percent expressed as a decimal.

           3   If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

Notes: *Use this 3/TXI/020 segment to identify the total tax amount applicable to the total invoiced amount. These amounts are included in TDS segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**TXI01**	**963**	**Tax Type Code**	**M**	**ID 2/2**

Code specifying the type of tax

CS	City Sales Tax	
FT	Federal Excise Tax	
LS	State and Local Sales Tax	
ST	State Sales Tax	
ZZ	Mutually Defined	

	Ref. Des.	Data Element	Name	Attributes	
	TXI02	**782**	**Monetary Amount**	**C**	**R 1/15**

Monetary amount

	TXI03	**954**	**Percent**	**C**	**R 1/10**

Percentage expressed as a decimal

Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).

Not Used	**TXI04**	**955**	**Tax Jurisdiction Code Qualifier**	**C**	**ID 2/2**

Code identifying the source of the data used in tax jurisdiction code

Not Used	**TXI05**	**956**	**Tax Jurisdiction Code**	**C**	**AN 1/10**

Code identifying the taxing jurisdiction

Segment:	**CAD** Carrier Detail
Position:	030
Loop:	
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To specify transportation details for the transaction
Syntax Notes:	1 At least one of CAD05 or CAD04 is required.
	2 If CAD07 is present, then CAD08 is required.
Semantic Notes:	
Comments:	
Notes:	*1. Use only when a different type of transportation method is used than identified in the purchase order.*
	2. Use this 3/CAD/030 segment to identify the transportation data that applies to all lines items in the invoice. When the transportation information varies by line item, use the 2/CAD/160 segment.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
CAD01	**91**	**Transportation Method/Type Code**	O	**ID 1/2**

Code specifying the method or type of transportation for the shipment

1. Use to indicate the transportation method/type code for the line items.

2. An application program conversion table may be required to convert agency codes to codes used by ASC X12.

Refer to 003010 Data Element Dictionary for acceptable code values.

Not Used	**CAD02**	**206**	**Equipment Initial**	O	**AN 1/4**

Prefix or alphabetic part of an equipment unit's identifying number

Not Used	**CAD03**	**207**	**Equipment Number**	O	**AN 1/10**

Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Not Used	**CAD04**	**140**	**Standard Carrier Alpha Code**	C	**ID 2/4**

Standard Carrier Alpha Code

	CAD05	**387**	**Routing**	C	**AN 1/35**

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

Always cite the number 1. This data element is used to satisfy an X12 syntax requirement. The data, (i.e., the number 1), shall not be processed by the receiving application program.

Not Used	**CAD06**	**368**	**Shipment/Order Status Code**	O	**ID 2/2**

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a

line item or transaction

| Not Used | CAD07 | 128 | **Reference Number Qualifier** | O | ID 2/2 |

Code qualifying the Reference Number.

| Not Used | CAD08 | 127 | **Reference Number** | C | AN 1/30 |

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Segment:	**ITA** Allowance, Charge or Service		
Position:	040		
Loop:	ITA	Optional	
Level:	Summary		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify allowances, charges, or services		
Syntax Notes:	1	If ITA02 is present, then at least one of ITA03 or ITA13 is required.	
	2	If ITA08 is present, then ITA09 is required.	
	3	If ITA10 is present, then ITA11 is required.	
Semantic Notes:			
Comments:	1	If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.	
	2	If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.	
	3	ITA12 is the quantity of free goods.	
Notes:	*Use this 3/ITA/040 segment to identify total charges that are not being invoiced as a line item. These amounts are included in the TDS segment.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ITA01	248	**Allowance or Charge Indicator**	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			A Allowance	
			C Charge	
			N No Allowance or Charge	
Not Used	ITA02	559	**Agency Qualifier Code**	O ID 2/2
			Code identifying the agency assigning the code values	
Not Used	ITA03	560	**Special Services Code**	C ID 2/10
			Code identifying the special service	
Must Use	ITA04	331	**Allowance or Charge Method of Handling Code**	M ID 2/2
			Code indicating method of handling for an allowance or charge	
			Refer to 003010 Data Element Dictionary for acceptable code values.	
Not Used	ITA05	341	**Allowance or Charge Number**	O AN 1/16
			The number assigned by a vendor referencing an allowance, promotion, deal or charge	
Not Used	ITA06	359	**Allowance or Charge Rate**	O R 1/9
			Allowance or Charge Rate per Unit	
	ITA07	360	**Allowance or Charge Total Amount**	O N2 1/9
			Total dollar amount for the allowance or charge	
			Total dollar amount for allowance or charge.	
Not Used	ITA08	378	**Allowance/ Charge Percent Qualifier**	O ID 1/1
			Code indicating on what basis allowance or charge percent is calculated	

Not Used	ITA09	332	**Allowance or Charge Percent**	**C**	**R 1/6**

Allowance or charge expressed as a percent.

Not Used	ITA10	339	**Allowance or Charge Quantity**	**O**	**R 1/10**

Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity

Not Used	ITA11	355	**Unit or Basis for Measurement Code**	**C**	**ID 2/2**

Code identifying the basic unit of measurement.

Not Used	ITA12	380	**Quantity**	**O**	**R 1/10**

Numeric value of quantity

Not Used	ITA13	352	**Description**	**C**	**AN 1/80**

A free-form description to clarify the related data elements and their content

	ITA14	150	**Special Charge or Allowance Code**	**O**	**ID 3/3**

Code identifying type of special charge or allowance

Refer to 003010 Data Element Dictionary for acceptable code values.

		Segment:	**TXI** Tax Information

Position:	050
Loop:	ITA Optional
Level:	Summary
Usage:	Optional
Max Use:	10
Purpose:	To specify tax information
Syntax Notes:	1 If either TXI04 or TXI05 is present, then the other is required.
Semantic Notes:	
Comments:	1 TXI02 is the monetary amount of the tax.
	2 TXI03 is the tax percent expressed as a decimal.
	3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:	*Use this 3/TXI/050 segment to identify the total tax amount applicable to the total invoiced amount. These amounts are included in TDS segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	TXI01	963	**Tax Type Code**	M	ID 2/2

Code specifying the type of tax

Use any code. Cited codes are preferred.

CS   City Sales Tax
FT   Federal Excise Tax
LS   State and Local Sales Tax
ST   State Sales Tax

Refer to 003010 Data Element Dictionary for acceptable code values.

	TXI02	782	**Monetary Amount**	C	R 1/15

Monetary amount

	TXI03	954	**Percent**	C	R 1/10

Percentage expressed as a decimal

Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).

Not Used	TXI04	955	**Tax Jurisdiction Code Qualifier**	C	ID 2/2

Code identifying the source of the data used in tax jurisdiction code

Not Used	TXI05	956	**Tax Jurisdiction Code**	C	AN 1/10

Code identifying the taxing jurisdiction

Segment:		**CTT** Transaction Totals			

Position: 070
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If CTT03 is present, then CTT04 is required.
           2 If CTT05 is present, then CTT06 is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
			Use to indicate the number of times the IT1 loop was used in the transaction set.		
	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.		
			Example:		
			-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.		
Not Used	CTT03	81	**Weight**	O	R 1/8
			Numeric value of weight		
Not Used	CTT04	355	**Unit or Basis for Measurement Code**	C	ID 2/2
			Code identifying the basic unit of measurement.		
Not Used	CTT05	183	**Volume**	O	R 1/8
			Value of volumetric measure		
Not Used	CTT06	355	**Unit or Basis for Measurement Code**	C	ID 2/2
			Code identifying the basic unit of measurement.		
Not Used	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment: ## SE Transaction Set Trailer

Position:	080
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SE01	96	**Number of Included Segments**	M	N0 1/6
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number assigned by the originator for a transaction set.		
			Cite the same number that is contained in ST02.		